

Claims

What is Claimed is:

1. A fastening tool comprising:

a housing;

a magazine connected to the housing for storing a fastener;

a driving mechanism disposed within the housing for driving the fastener into a workpiece;

a trigger assembly pivotally attached to the housing for activating the driving mechanism, the trigger assembly comprising a main trigger pivotally attached to the housing, and a supplemental trigger pivotally attached to the main trigger;

a contact trip assembly comprising an upper contact trip contacting the supplemental trigger, and a lower contact trip connected to the upper contact trip;

an adjuster supported by one of the upper contact trip and the lower contact trip, the adjuster having teeth that can mesh with teeth disposed on the other of the upper contact trip and the lower contact trip, the adjuster being movable between a first position where the teeth of the adjuster and the other of the upper contact trip and the lower contact trip mesh, and a second position where the teeth of the adjuster and the other of the upper contact trip and the lower contact trip do not mesh; and

a detent mechanism associated with the adjuster for maintaining the adjuster in at least one of the first and second positions.

2. The fastening tool of Claim 1, wherein the detent mechanism comprises a detent element disposed on the adjuster and engaging a notch disposed on the lower contact trip.

3. The fastening tool of Claim 2, further comprising a spring for biasing the detent element towards the notch.
4. The fastening tool of Claim 1, wherein the adjuster further comprises a knob for moving the adjuster between the first and second positions.
5. The fastening tool of Claim 4, wherein the detent mechanism comprises a protrusion disposed on the knob engaging a detent notch in the upper contact trip.
6. The fastening tool of Claim 4, wherein the knob is only movable into and out of the housing.
7. The fastening tool of Claim 1, wherein the detent mechanism comprises a spring engaging contacting the adjuster.
8. A fastening tool comprising:
 - a housing;
 - a magazine connected to the housing for storing a fastener;
 - a driving mechanism disposed within the housing for driving the fastener into a workpiece;
 - a trigger assembly pivotally attached to the housing for activating the driving mechanism, the trigger assembly comprising a main trigger pivotally attached to the housing, and a supplemental trigger pivotally attached to the main trigger;
 - a contact trip assembly comprising an upper contact trip contacting the supplemental trigger, and a lower contact trip connected to the upper contact trip;
 - an adjuster supported by one of the upper contact trip and the lower contact trip, the adjuster having teeth that can mesh with teeth disposed on the other of the upper contact trip and the lower contact trip, the adjuster being movable between a first position where

the teeth of the adjuster and the other of the upper contact trip and the lower contact trip mesh, and a second position where the teeth of the adjuster and the other of the upper contact trip and the lower contact trip do not mesh;

a knob rotatably attached to the housing;

a link connected to the adjuster at one end and to the knob at the other end for moving the adjuster between the first and second positions upon rotation of the knob.

9. The fastening tool of Claim 8, wherein the knob has a channel for slidably receiving the link.